

QuickStart Guide

FortiGate 2600F / 2601F

Product Registration

Thank you for purchasing a FortiGate.

Register to access:

- Cloud Management
- FortiGuard Updates
- Firmware Upgrades
- Technical Support
- Warranty Coverage

Please register your FortiGate:

Vous devez enregistrer le produit:

Debe registrar el producto:

登録のお願い:

请马上注册:

<http://support.fortinet.com>



November 16, 2020

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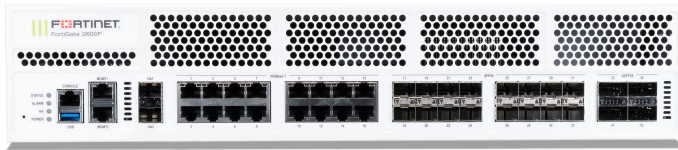
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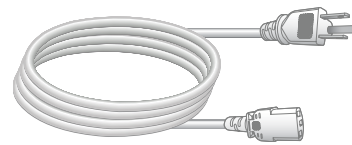
Box Includes



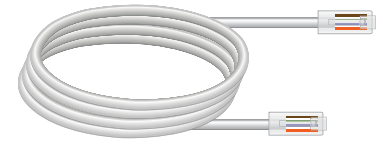
FortiGate 2600F/2601F



QuickStart Guide



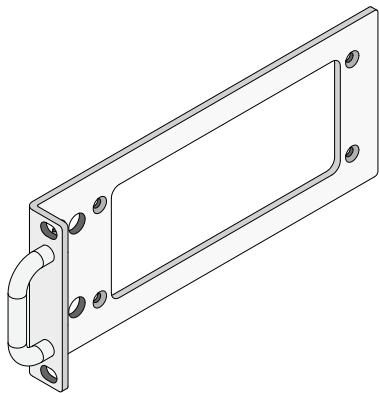
2x AC Power Cables



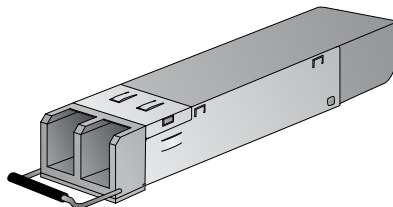
1x Ethernet Cable



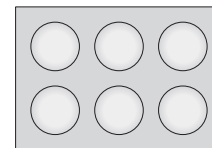
1x Console Cable



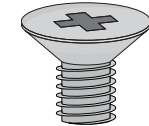
2x Rack-Mount Brackets



2x SFP+ Transceivers

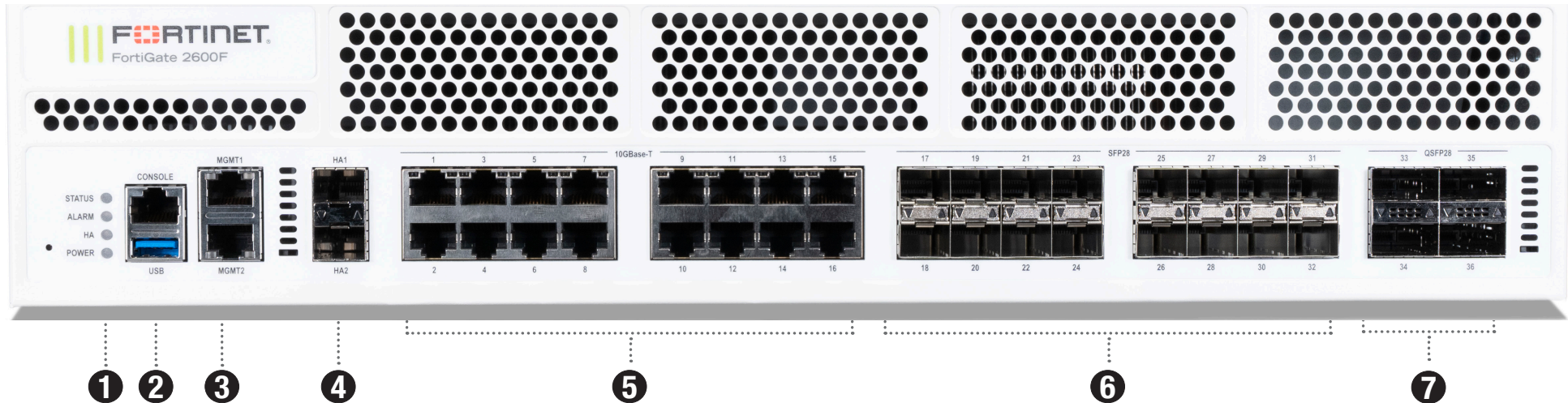


6x Rubber Feet



12x Bracket Screws

Front Panel



1 LED Indicators

STATUS

- **Green:** Operating normally
- **Flashing Green:** Booting up
- **Red:** Major alarm

HA

- **Green:** Operating in an HA cluster
- **Red:** HA failure
- **Off:** HA disabled

ALARM

- **Red:** Major alarm
- **Amber:** Minor alarm
- **Off:** No alarms

POWER

- **Green:** The unit is on
- **Off:** The unit is off

2 CONSOLE (RJ45) port for serial port management

USB (USB A) USB 3.0 server port

3 Management Ports (RJ45) 1GE for device management

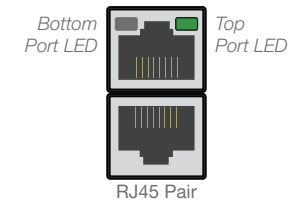
MGMT1 default IP is 192.168.1.99

MGMT2 default IP is 192.168.2.99

4 HA1 & HA2 Ports (RJ45) high availability ports

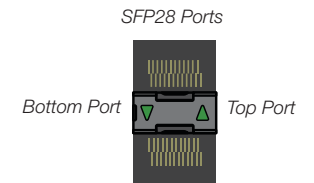
5 Ports 1 to 16 (RJ45)

- **Green:** Connected at 10Gbps or 1Gbps
- **Flashing Green:** Transmitting data
- **Off:** No link established



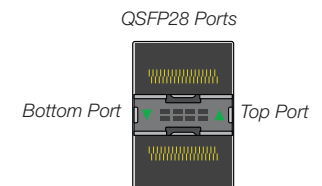
6 Ports 17 to 32 (SFP28)

- ▼ **Green:** Link established at 25, 10 or 1 Gbps
- ▼ **Flashing Green:** Transmitting data
- ▼ **Off:** No link established

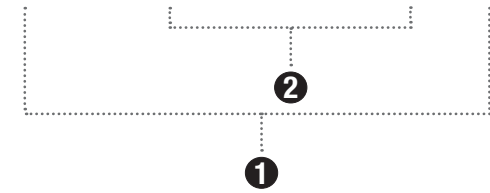
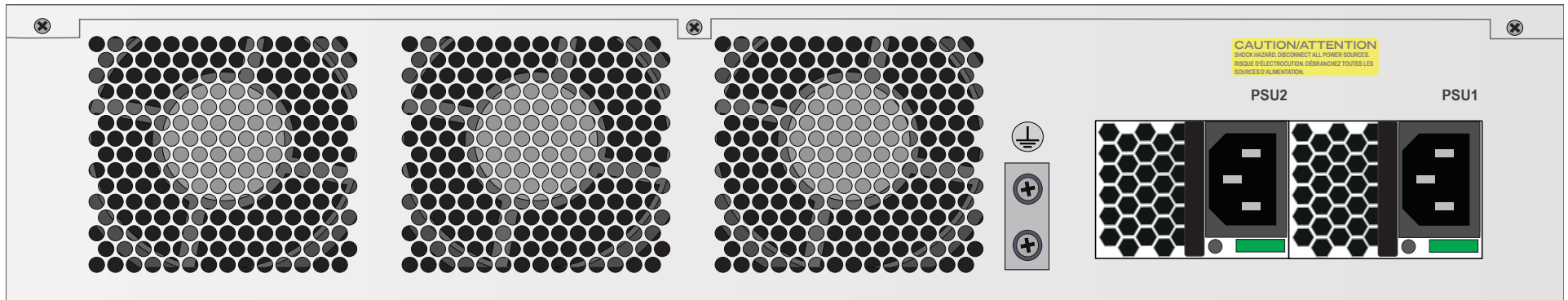


7 Ports 33 to 36 (QSFP28)

- ▼ **Green:** Link established at 100 or 40 Gbps
- ▼ **Flashing Green:** Transmitting data
- ▼ **Off:** No link established



Rear Panel



- 1 Redundant Power Supplies (x2)**
100-240 VAC, 7-3A, 50/60Hz

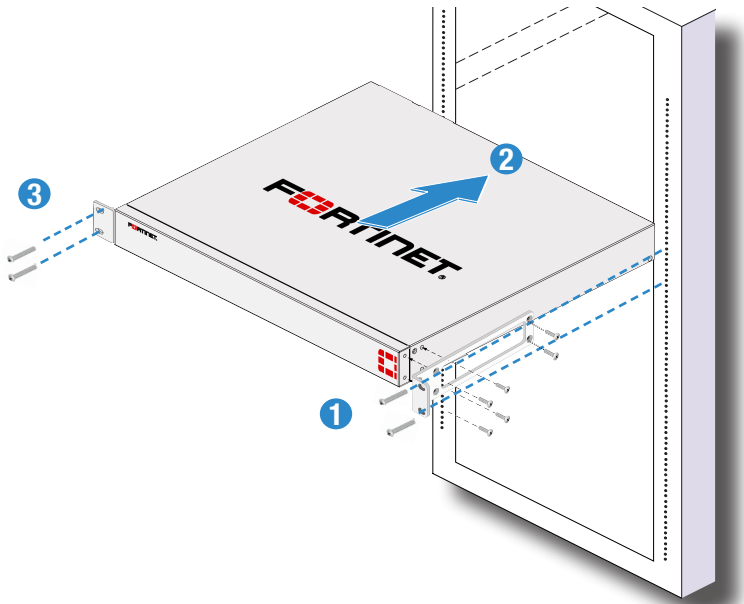
2 PSU LED Status

- **Green:** Power supply providing power
- ⚡ **Flashing Green:** Power supply not providing power
- **Off:** Error or no power
- **Red:** AC cord unplugged or AC power lost
- ⚡ **Flashing Red:** Power supply warning event

Rack Installation

This device mounts in a standard 19 inch rack.

1. **Attach** the provided rack-mount **brackets and screws**
2. **Position** the device and **slide into the rack**
3. **Fasten** rack screws to **secure the device**



Optional: Please see the Datasheet for ordering an optional rail slide kit

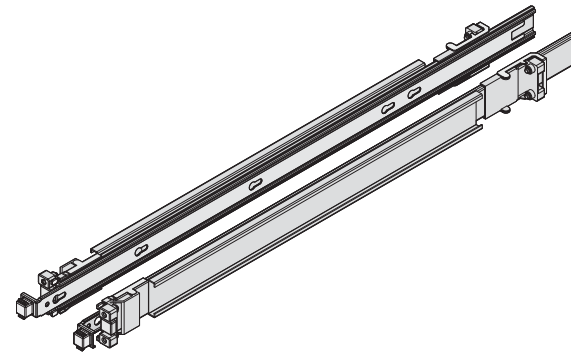
Caution: Ensure there is at least 1.5 inches of space above and below the device

Warning: For safety, it is recommended that two people install the device

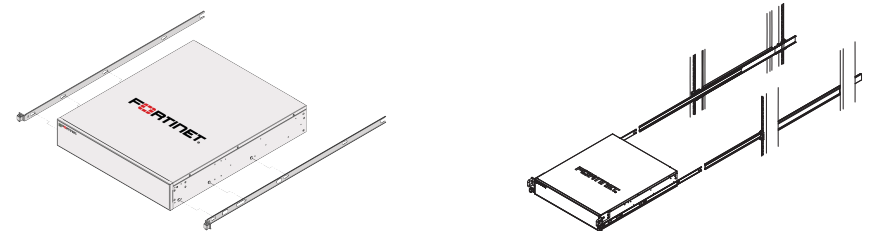
Rail Slide Kit (Optional)

Sold separately, the rail slide kit can be used to mount the device.

Refer to the product datasheet for details and ordering information.

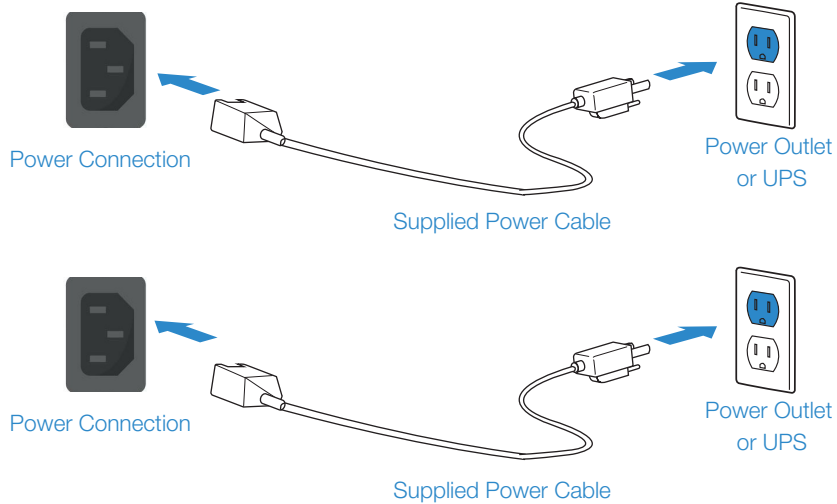


Mounting Rail Assembly



For more information, please visit <http://docs.fortinet.com>

Basic Connections



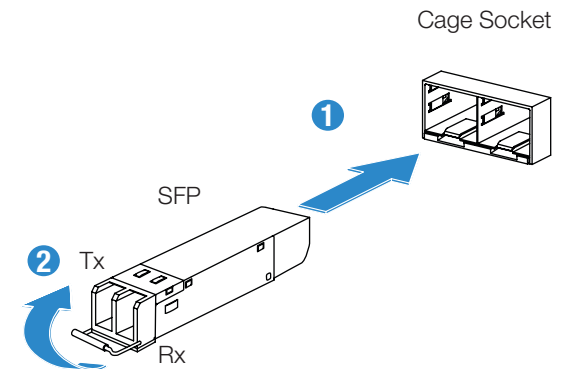
Plug in your device to a [power outlet](#) using the provided [power cables](#).

Note: We recommend connecting your FortiGate to an [uninterruptible power supply \(UPS\)](#) in case of a power outage

SFP Installation

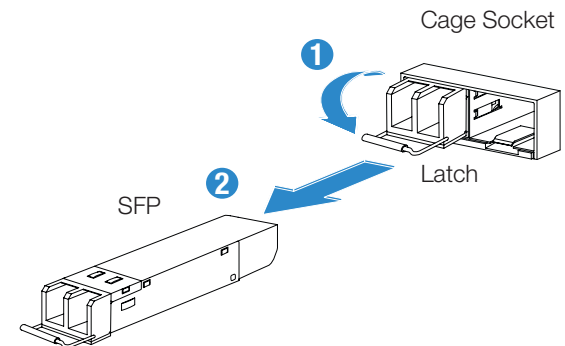
To install the SFP transceivers:

1. [Slide the SFP](#) into the cage socket until it [clicks into place](#)
2. [Lift the latch](#) to [lock the SFP](#)



To remove the SFP transceivers:

1. Lower the latch to [unlock the SFP](#)
2. [Pull the SFP out](#) of the cage socket carefully



Setup Options

Set up your device locally or on the cloud. Choose one of the following options to complete your setup.



Local Setup

A GUI

An [easy-to-use GUI](#), compatible with most web browsers. To minimize scrolling, the screen resolution should be at least 1280 x 1024 pixels.



Smartphone Setup

B FortiExplorer

FortiExplorer for iOS is a [user-friendly iOS application](#) that helps you [configure](#), [manage](#), and [monitor](#) appliances. FortiExplorer rapidly provisions, deploys, and monitors Security Fabric components such as [FortiGate](#), [FortiWiFi](#), and [FortiAP](#) devices.



Local Setup

C Command Line Interface (CLI)

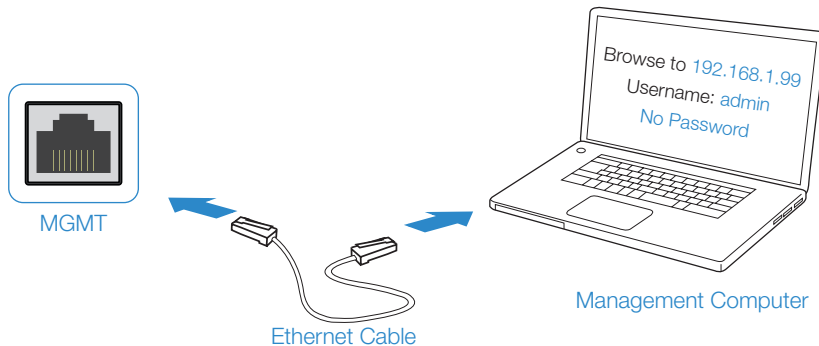
An alternate configuration tool from the web-based manager that uses a [terminal emulation](#) application to [type commands](#) or upload batches of commands from a text file or [configuration script](#). Requires a console cable (available for purchase).

1. Connect **MGMT** to the **Management Computer** using the supplied **Ethernet cable**

2. Enable **DHCP** or set the Management Computer's **IP** and **subnet** to:

Static IP Address: 192.168.1.1
Subnet Mask: 255.255.255.0

3. Visit 192.168.1.99 in a web browser



4. Log in with username **admin** and **no password**

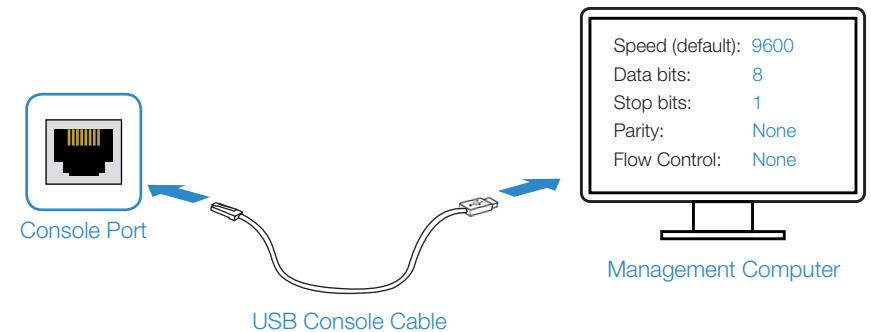
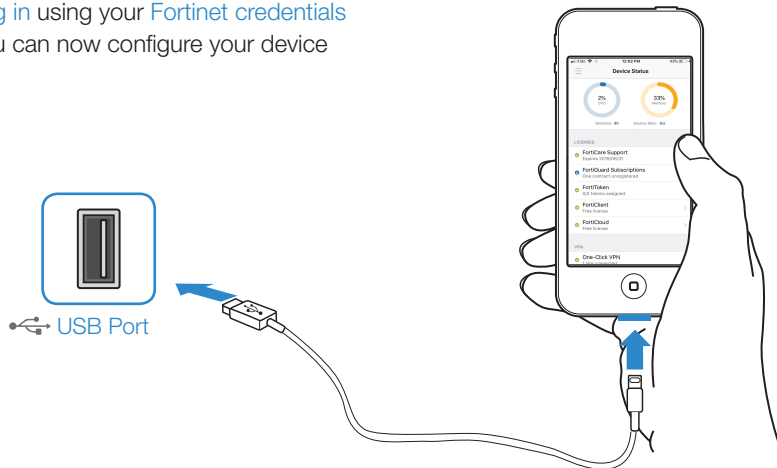
5. When prompted to register, enter your **Fortinet credentials**

6. The **FortiCare Support Status** in the FortiOS License Information widget will change to **Registered**

License Information		
Entitlement	Status	
FortiCare Support	✓ Registered	
Enhanced Support	✓ 8x5 support - expires on 2020/03/08	
Virtual Machine	✓ Valid - expires on 2020/03/06	
Allocated vCPUs	25% 1 / 4	
Allocated RAM	1002 MiB	
Firmware & General Updates	✓ Licensed - expires on 2020/03/08	
Application Control Signatures	⊙ Version 6.00741	
Device & OS Identification	⊙ Version 1.00084	
Internet Service Database Definitions	⊙ Version 7.00109	
Intrusion Prevention	✓ Licensed - expires on 2020/03/08	
IPS Definitions	⊙ Version 6.00741	
IPS Engine	⊙ Version 5.00031	
Malicious URLs	⊙ Version 2.00430	
Botnet IPs	⊙ Version 1.00000	

1 USB Setup

1. Download and launch the [FortiExplorer iOS App](#)
2. Connect your [Apple Lightning to USB cable](#) to the FortiGate/FortiWiFi [USB port](#)
3. Tap your device when it appears in [FortiExplorer](#)
4. Log in using your [Fortinet credentials](#)
5. You can now configure your device



1. Connect the [Console Port](#) with a [console cable](#) to the [Management Computer](#)
2. Start a [terminal program](#) on the [Management Computer](#) and select an available [COM Port](#) using the following default settings:

Baud rate: 9600
Data bits: 8
Parity: None
Stop bits: 1
Flow control: None

3. Log in using your [Fortinet credentials](#)
4. You can now configure your device

```
FortiGate # ?
config      Configure object.
get         Get dynamic and system information.
show        Show configuration.
diagnose    Diagnose facility.
execute     Execute static commands.
exit        Exit the CLI.

FortiGate # config ?
alertemail  Alert email configuration.
antivirus   AntiVirus configuration.
application Application control configuration.
client-reputation Client reputation tracking configuration
dlp         DLP configuration.
endpoint-control Endpoint control configuration.
firewall    Firewall configuration.
ftp-proxy   FTP proxy configuration.
gui         GUI configuration.
icap        ICAP client configuration.
imp2p       IM & P2P policy configuration.
ips         IPS configuration.
--More--
```

Note: Type [?](#) for a [list of commands](#). Type a command with [?](#), such as [config ?](#) to list the options. For advanced options, visit support.fortinet.com

Resources

Refer to the following resources to continue your FortiGate setup.

FortiGate Documentation Library

Up-to-date hardware and software guides

<https://docs.fortinet.com/fortigate>

Fortinet Customer Service & Support

Access knowledge bases, resource libraries and contact support

<https://support.fortinet.com/>

Fortinet Video Tutorials

FortiOS Tips, Web GUI tutorials, SD-WAN tricks, and more

<http://video.fortinet.com>

FortiGuard Labs

Discover FortiGuard's Zero-Day Research, Weekly Threat Briefs, and Threat Lookups

<https://fortiguard.com/>

FortiGate Cloud

Analyze centralized reporting, traffic analysis, configuration management, and logs

<https://forticloud.com>

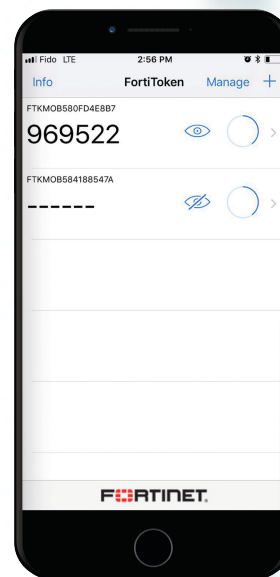
Register for Free Licenses & Services

Simplify and leverage provisioning, management, and analytics with FortiGate Cloud's centralized administration. Extend online logs and analysis to 1 full year with a subscription.

FortiGate Cloud 7 Days of Data Retention

Make remote access simple.
Use yourcompany.fortiddns.com instead of a hard-to-remember IP address.

Fortinet DDNS Service



Enable two-factor authentication for remote access using mobile devices. Available for iOS and Android devices. Get extra tokens from your Fortinet reseller.

2 FortiToken Mobile Licenses

Services with FortiCare Subscriptions

Global 24/7 support for your Fortinet hardware & software

Get the latest product security updates and features. Stay with us and see the product evolve.

Firmware Updates

Use cellphone technology as backup Internet connection. We are always adding support for new third party 3G/4G+ devices.

USB Modem Database Updates

Set up policies and track activities based on geography. Your **FortiGate** will intelligently identify where an IP is originated or destined.

Geo-IP Database Updates

Create policies to allow, deny, or restrict access to applications or entire categories of applications. You can use application control to keep malicious, risky, and unwanted applications out of your network.

Application Control Database Updates

Identify device type and OS information. Great for organizations who want to enforce device-based policies so that employees can bring in their devices.

Device Signatures Database Updates

Internet service database objects consist of IP addresses, port numbers, and protocols used by Internet services. Simplify the management and control of cloud-based applications.

Internet Service Database Updates

Fortinet Bundled Services with FortiCare

Fortinet Bundled Services	360 Protection	Enterprise Protection	UTM	Threat Protection
FortiCare	ASE	24x7	24x7	24x7
FortiGuard App Control Service	✓	✓	✓	✓
FortiGuard IPS Service	✓	✓	✓	✓
FortiGuard Advanced Malware Protection (AMP)	✓	✓	✓	✓
FortiGuard Web Filtering Service	✓	✓	✓	
FortiGuard Anti-Spam Service	✓	✓	✓	
FortiGuard Security Rating Service	✓	✓		
FortiGuard Industrial Service	✓	✓		
FortiCASB SaaS-only Service	✓	✓		
FortiConverter Service	✓			
SD-WAN Cloud Assisted Monitoring	✓			
SD-WAN Overlay Controller VPN Service	✓			
FortiAnalyzer Cloud	✓			
FortiManager Cloud	✓			

The Fortinet Security Fabric

Broad

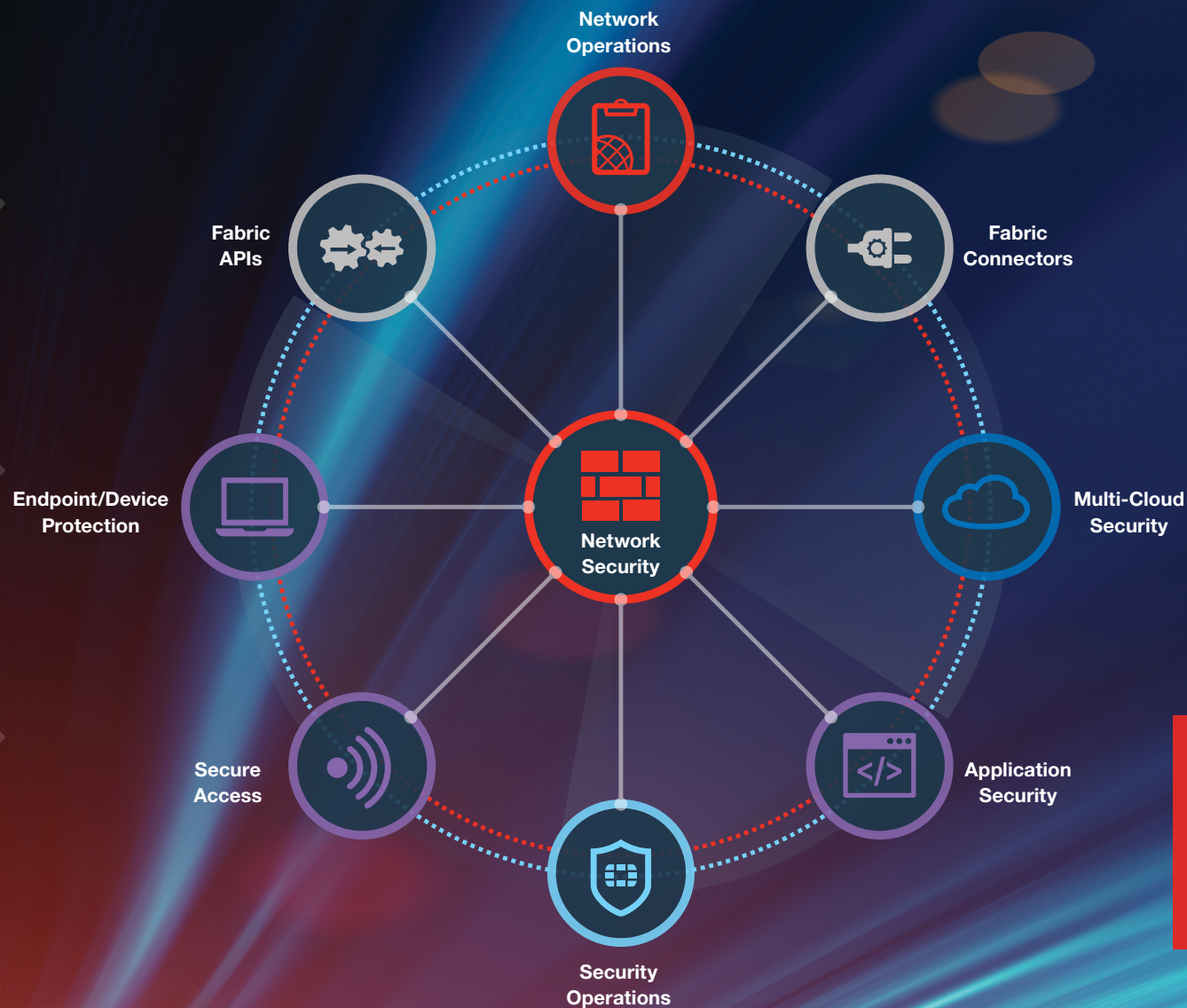
Visibility of the entire digital attack surface

Integrated

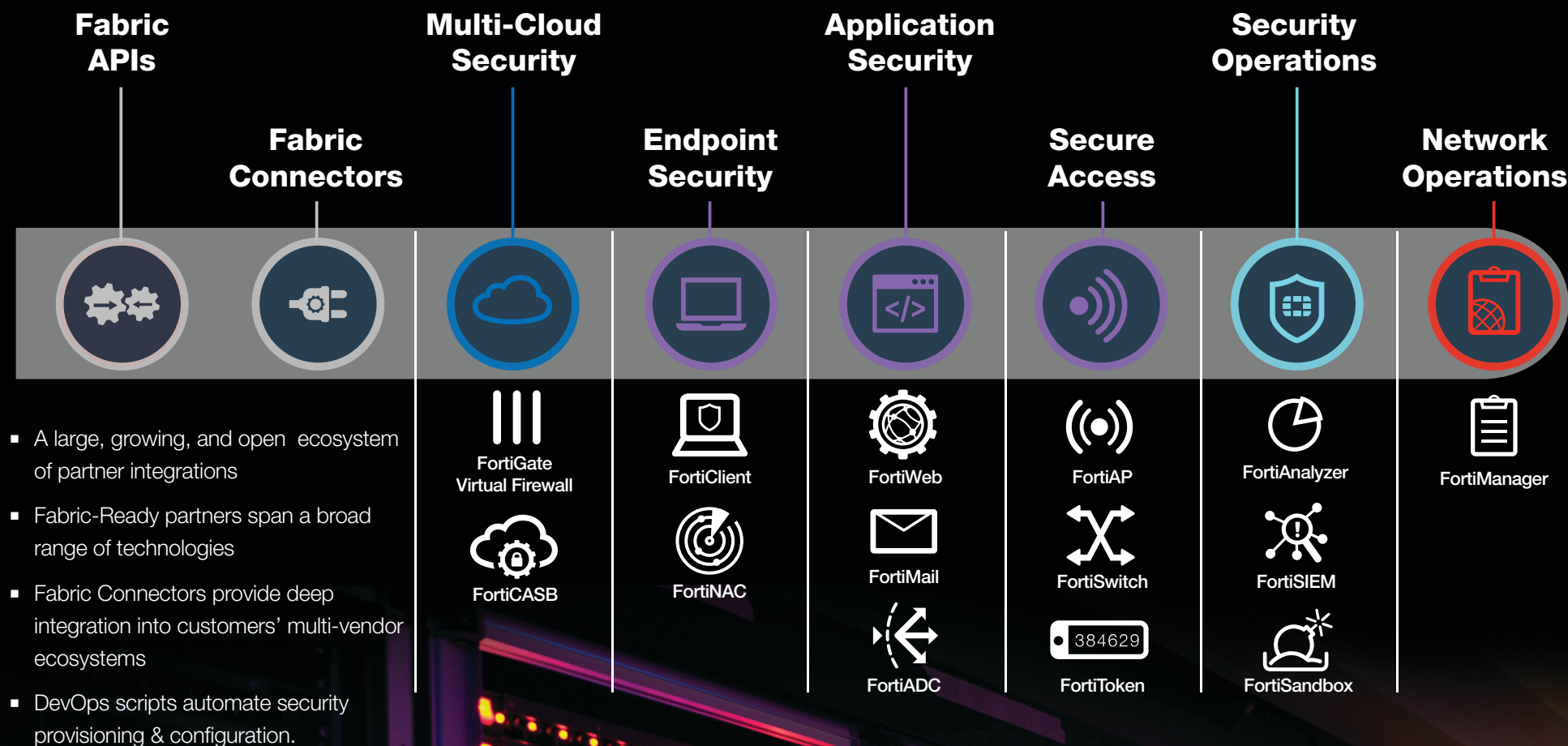
AI-driven breach prevention across all devices, networks, and applications

Automated

Operations, orchestration and response

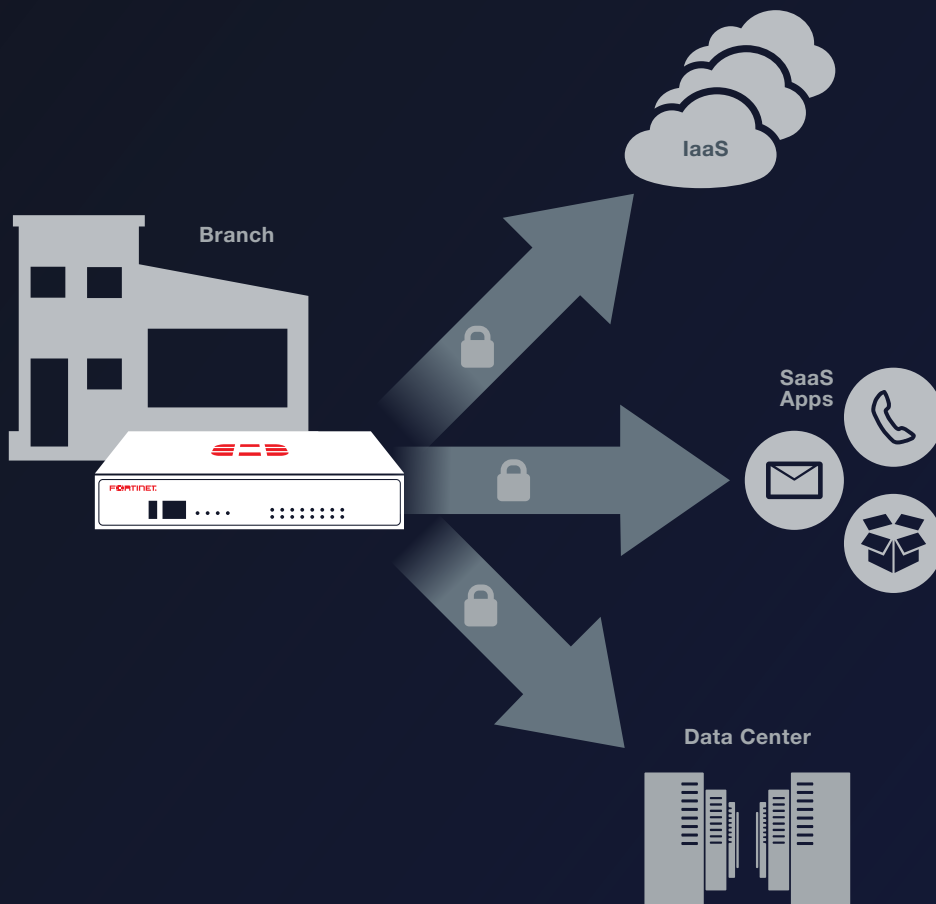


Other Fabric Solutions



Solution Spotlight: Secure SD-WAN

NGFW with built-in, best-of-breed SD-WAN capability enables digital transformation at the enterprise branch.



SD-WAN FortiGate 61E

Products

- FortiGate NGFW (at FortiOS 5.6 & above)
- FortiManager

Key Features

- Application-aware steering
- Automated WAN path intelligence
- Single-pane-of-glass management with zero-touch provisioning
- SD-WAN features include in base license

Benefits

- High application performance
- Reduced WAN OPEX
- Safe Internet access for branch sites
- Reduced complexity, easier management



Fortinet Security Processors

Specialized chip design delivers more processing power

Fortinet's purpose-built architecture delivers extremely high throughput and exceptionally low latency. These purpose-built security processors radically boost performance and scalability to enable the fastest network security appliances available.

Most Certified in the Industry

Fortinet is the only network security vendor to earn independent certifications across all core security technologies

Fortinet demonstrates our ability to consolidate multiple security technologies while still meeting the highest standards of performance and accuracy.



Corporate Overview

Forward looking market leadership

Fortinet pioneered an innovative, high performance network security solution. We address the fundamental problems of an increasingly bandwidth-intensive network environment and a more sophisticated IT threat landscape. We are a leading provider of network security appliances and the leader in Unified Threat Management, or UTM solutions.

Fortinet is a worldwide leading provider of UTM appliances, with a 18% year over year growth in the UTM security appliance market according to IDC.



The Fortinet logo is displayed on the side of a modern, white building. It features the word 'FORTINET' in large, bold, black capital letters. The letter 'O' is replaced by a red graphic element consisting of three vertical bars of varying heights, creating a stylized 'F' shape.

Cautions and Warnings

Environmental specifications

Ambient operating temperature: 0°C to 40°C

Rack Mount Instructions - The following or similar rack-mount instructions are included with the installation instructions:
Instructions de montage en rack - Les instructions de montage en rack suivantes ou similaires sont incluses avec les instructions d'installation:

Elevated Operating Ambient - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (Tma) specified by the manufacturer.

Température ambiante élevée - S'il est installé dans un rack fermé ou à unités multiples, la température ambiante de fonctionnement de l'environnement du rack peut être supérieure à la température ambiante de la pièce. Par conséquent, il est important d'installer le matériel dans un environnement respectant la température ambiante maximale (Tma) stipulée par le fabricant.

Reduced Air Flow - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.

Ventilation réduite - Installation de l'équipement dans un rack doit être telle que la quantité de flux d'air nécessaire au bon fonctionnement de l'équipement n'est pas compromise.

Mechanical Loading - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.

Chargement Mécanique - Montage de l'équipement dans le rack doit être telle qu'une situation dangereuse n'est pas liée à un chargement mécanique inégal.

Circuit Overloading - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.

Surtension - Il convient de prendre l'ensemble des précautions nécessaires lors du branchement de l'équipement au circuit d'alimentation et être particulièrement attentif aux effets de la suralimentation sur le dispositif assurant une protection contre les courts-circuits et le câblage. Ainsi, il est recommandé de tenir compte du numéro d'identification de l'équipement.

Reliable Earthing - Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips).

Fiabilité de la mise à la terre - Fiabilité de la mise à la terre de l'équipement monté en rack doit être maintenue. Une attention particulière devrait être accordée aux connexions d'alimentation autres que les connexions directes au circuit de dérivation (par exemple de l'utilisation de bandes de puissance).

Refer to specific Product Model Data Sheet for Environmental Specifications (Operating Temperature, Storage Temperature, Humidity, and Altitude)
Référez à la Fiche Technique de ce produit pour les caractéristiques environnementales (Température de fonctionnement, température de stockage, humidité et l'altitude).

Safety

Warning: Equipment intended for installation in Restricted Access Location.
Avertissement: Le matériel est conçu pour être installé dans un endroit où l'accès est restreint.

Warning: A readily accessible disconnect device shall be incorporated in the building installation wiring.

Avertissement: Un dispositif de déconnexion facilement accessible doit être incorporé dans l'installation électrique du bâtiment.

Battery - Risk of explosion if the battery is replaced by an incorrect type. Do not dispose of batteries in a fire. They may explode. Dispose of used batteries according to your local regulations. IMPORTANT: Switzerland: Annex 4.10 of SR814.013 applies to batteries.

Batterie - Risque d'explosion si la batterie est remplacée par un type incorrect. Ne jetez pas les batteries au feu. Ils peuvent exploser. Jetez les piles usagées conformément aux réglementations locales. IMPORTANT: Suisse: l'annexe 4.10 de SR814.013 s'applique aux batteries.

警告
本電池如果更換不正確會有爆炸的危險
請依製造商說明書處理用過之電池

CAUTION: Shock Hazard. Disconnect all power sources.
ATTENTION: Risque d'électrocution. Débranchez toutes les sources d'alimentation.

Caution: Slide/rail mounted equipment is not to be used as a shelf or a work space.

Attention: Un équipement monté sur bâti ne doit pas être utilisé sur une étagère ou dans un espace de travail.

Regulatory Notices

Federal Communication Commission (FCC) – USA

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received; including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

WARNING: Any changes or modifications to this product not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

Industry Canada Equipment Standard for Digital Equipment (ICES) – Canada

CAN ICES-3 (A) / NMB-3 (A)

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Cet appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

European Conformity (CE) - EU

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.



Voluntary Control Council for Interference (VCCI) – Japan

この装置は、クラスA機器です。この装置を住宅環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

V C C I - A

Product Safety Electrical Appliance & Material (PSE) – Japan

日本では電気用品安全法 (PSE) の規定により、同梱している電源コードは本製品の専用電源コードとして利用し、他の製品に使用しないでください。

Bureau of Standards Metrology and Inspection (BSMI) – Taiwan

The presence conditions of the restricted substance (BSMI RoHS table) are available at the link below:
限用物質含有情況表 (RoHS Table) 請到以下 網址下載:
<https://www.fortinet.com.tw/bsmi>

此為類資訊技術設備，於居住環境中使用時，可能會造成射頻擾動，在此種情況下，使用者會被要求採取某些適當的對策。

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China

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Fortinet Product License Agreement / EULA and Warranty Terms

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